# Progress Report
# Regional Express Programs

**New ST Express Route 567 begins between Kent and Overlake Transit Center**

**September | 2013**

SOUNDTRANSIT

**Prepared by Project Control | Design, Engineering & Construction Management**

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## Program Summary

**Scope:** The Regional Express program is comprised of 45 capital projects including design and construction of direct-access ramps to the existing freeway High Occupancy Vehicle (HOV) system, park-and-ride lots, HOV improvements to arterials, transit centers, and freeway in-line transit stations. Freeway improvements are being implemented through a partnership with the Washington State Department of Transportation (WSDOT). Sound Transit has also partnered with local jurisdictions to improve transit infrastructure.

**Program Budget (2013):** $491 million

**Schedule:** Final program elements are either under construction or in design.

**In Service:** 17 HOV and Direct Access projects
13 Transit Center projects
7 Park-and-Ride projects
4 Freeway Station projects

**Program Overview**

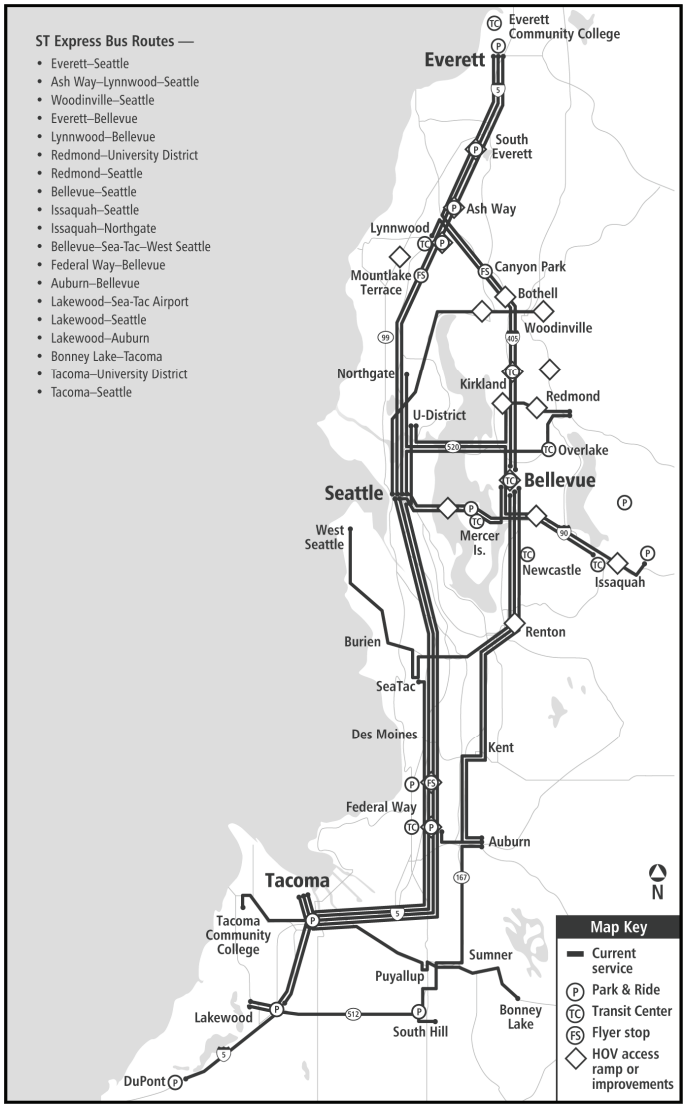
**East King County:** Projects include 16 HOV and direct access projects, 7 transit centers, 3 park-and-ride lots, and 2 freeway station projects. There are 25 Regional Express projects in service in East King County. Three projects led by local jurisdictions and financially supported by Sound Transit (85th Corridor – Kirkland, Rainier Avenue Arterial Improvements, and Strander Blvd. Extension - Renton) are in construction. The remaining project, I-90 Two-Way Transit and HOV Operations, Stage 3, is in final design and is expected to be baselined in late 2013.

**Pierce County:** Projects include 1 transit center and 2 park-and-ride lots. These projects are in service.

**Snohomish County:** Projects include 4 HOV and direct-access projects, 2 transit centers, 1 park-and-ride lot, and 2 freeway station projects. All Regional Express projects in Snohomish County have been completed.

**South King County:** Projects include 1 HOV and direct-access project, 2 transit centers and 1 park-and-ride lot. All Regional Express projects in South King County have been completed.

**System Wide:** With the passage of ST2, voters approved the development of bus maintenance facilities to support the ST Express bus program. Initial project development activities including confirmation of fleet operating assumptions, facilities and site programming evaluations and review of alternative project delivery methods have been completed. Alternative site identification, site evaluations and environmental analysis are being initiated.




*ST Express Routes*

## Key Program Issues

- Design continues on the I-90 Two-Way Transit and HOV Operations Stage 3 project. The project is scheduled to be baselined towards the end of 2013; a budget amendment will be required to complete construction. In addition, completion of this project on schedule is required for meeting schedule commitments established for the East Link Extension.
- Construction continues on the 85th Corridor – Kirkland, Rainier Avenue Arterial Improvements and Strander Blvd. Extension projects. These projects are being led by local jurisdictions; Sound Transit's financial contribution to these projects is capped.

## Program Cost Summary

Program cost information by project phase is summarized below. Lifetime budgets reflect the Adopted 2013 phase level budgets; for ST2 projects, the lifetime budget includes funding only for project phases that have been approved by the Board of Directors. For example, the ST Express Bus Base project is funded only through preliminary engineering; approval for final design and construction budgets will be requested upon completion of preliminary engineering and refinement of cost estimates.

| Phase | Lifetime Budget* | Commitment to Date* | Incurred to Date* |
|---|---|---|---|
| Administration | $ 28,124 | $ 23,938 | $ 23,940 |
| Preliminary Engineering | $ 38,676 | $ 36,677 | $ 34,671 |
| Final Design | $ 54,583 | $ 47,942 | $ 39,455 |
| Third Party Agreements | $ 14,730 | $ 14,730 | $ 14,730 |
| ROW Acquisition & Permits | $ 17,580 | $ 17,376 | $ 17,351 |
| Construction | $ 274,657 | $ 273,357 | $ 265,779 |
| Contingency | $ 37,090 | $ - | $ - |
| **CIP Project Total** | **$ 465,441** | **$ 414,021** | **$ 395,926** |
| *Program Reserve* | *$ 25,761* | *$ -* | *$ -* |
| **CIP Program Total** | **$ 491,202** | **$ 414,021** | **$ 395,926** |

*Excludes closed projects; for ST2 projects budget represents approved phases only.

There were no significant variances compared to prior reporting period.

## Board Motions

No board actions during this reporting period.

## Construction Safety

Other than projects being completed by local jurisdictions, there are currently no on-going Regional Express construction activities.

## Third-Party Agreements

No third-party agreements were executed during the 3rd Quarter 2013.

# Quality Assurance

Quality Assurance continues to support the Regional Express program through review of design and construction documents and periodic audits of projects in design, construction and operations. During this quarter there were no audits, surveillances or reporting.

| Description | 3rd Quarter 2013 | Notes |
|---|---|---|
| Audits/Surveillances Performed | 0 Audits<br>0 Surveillances | None |
| Audits/Surveillances Reports Issued | 0 Reports | None |
| Reports in Progress | 0 Reports | None |

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# Regional Express
# I-90 Two-Way Transit and HOV Operations (Stage3)

## Scope Overview

Stage 3 provides for two-way transit and HOV operations eastbound and westbound on I-90 between 80th Avenue SE on Mercer Island and Rainier Avenue/I-5 in Seattle. In addition screening will be installed on the shared-use pathway on the bridge. Following completion of this project the center roadway reversible HOV lanes will be turned over to Sound Transit for construction of the East Link Extension.

*Stage 3 will enhance transit on I-90*

## Schedule

| | Start | Finish |
|---|---|---|
| Prelim Engineering | 2004 | Jun 2010 |
| Final Design | Jun 2010 | May 2014 |
| Construction | Sep 2014 | Sep 2016 |

## Scope/Schedule/Budget Variance

None to report at this time

## Major Contracts

($s in thousands)

| Vendor | Amount | Scope |
|---|---|---|
| WSDOT | $18,040 | FD |

*Project Cost* ($s in thousands)

| Phase | Adopted Lifetime Budget | Commitment to Date | Incurred to Date |
|---|---|---|---|
| Administration | $3,385 | $247 | $368 |
| Preliminary Engineering | $1,549 | $1,549 | $1,549 |
| Final Design | $23,000 | $16,400 | $8,178 |
| Third Party Agreements | $0 | $0 | $0 |
| ROW Acquisition and Permits | $0 | $0 | $0 |
| Construction | $0 | $0 | $0 |
| Construction Services | $0 | $0 | $0 |
| Contingency | $36,288 | $0 | $0 |
| **Project Total** | **$64,222** | **$18,196** | **$10,095** |

## Key Activities

Current Quarter

- The 60% design reached the "pencil down" phase and is undergoing QA/QC.
- Approved 60% submittal by FHWA.
- Received signed Letters of Concurrence by the Fire Department for all element of Fire and Life Safety issues.

Next Quarter

- Receive the 90% design submittal.
- Hire a Consultant to conduct an independent and concurrent review of the 90% design submittal, cost estimate, construction schedule and risk analysis.
- Prepare to seek Sound Transit Board approval of scope, schedule, and budget.

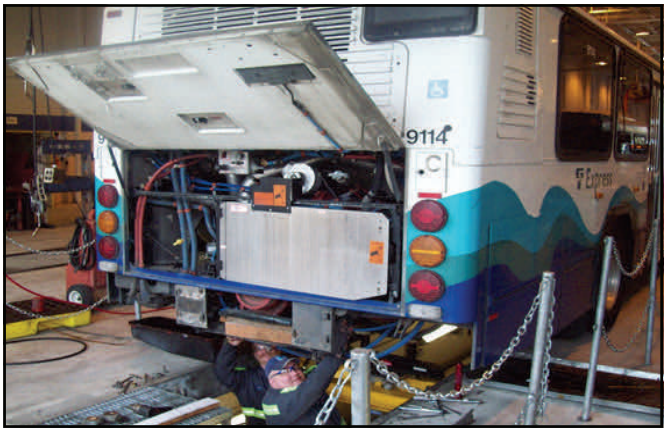
## Closely Monitored Issues

- Design/construction costs relative to available budget.
- Structural vibration analysis at Mercer Island LID.
- Finalize selection of preferred fire/smoke detection system.
- Schedule coordination with East Link Extension.

# Regional Express
# ST Express Bus Base

## Scope Overview

Sound Transit is evaluating the need for an operations and maintenance base for the ST Express bus fleet. Initial project development activities including confirmation of fleet operating assumptions, facilities and site programming evaluations and review of alternative project delivery methods have been completed. Alternative site identification, site evaluations and environmental analysis activities are being initiated. The Board of Directors has authorized proceeding with this project incrementally. Advancing preliminary engineering requires Board approval.




*ST Express bus maintenance currently performed by transit partners*

## Schedule

| | Start | Finish |
|---|---|---|
| Project Develop | Feb 2011 | Dec 2012 |
| Prelim Engineering | Apr 2015 | TBD |
| Final Design | TBD | TBD |
| Construction | TBD | TBD |

## Scope/Schedule/Budget Variance

None to report at this time.

## Major Contracts

($s in thousands)

| Vendor | Amount | Scope |
|---|---|---|
| Parsons Brinckerhoff | $2752 | PE/ED |

*Project Cost (*$s in thousands)

| Phase | Adopted Lifetime Budget | Commitment to Date | Incurred to Date |
|---|---|---|---|
| Administration | $505 | $274 | $282 |
| Preliminary Engineering | $4,763 | $2,752 | $755 |
| Final Design | $0 | $0 | $0 |
| Third Party Agreements | $0 | $0 | $0 |
| ROW Acquisition and Permits | $201 | $25 | $1 |
| Construction | $0 | $0 | $0 |
| Construction Services | $0 | $0 | $0 |
| Contingency | $0 | $0 | $0 |
| **Project Total** | **$5,469** | **$3,051** | **$1,038** |

## Key Activities

Current Quarter

- Board authorized execution of task order for Environmental review and supporting Conceptual Engineering with Parsons Brinkerhoff.

Next Quarter

- Conduct public outreach efforts associated with scoping period.

## Closely Monitored Issues

- None identified at this time.

# Regional Express
# ST Express Midday Bus Storage

## Scope Overview

To improve operational efficiencies, Sound Transit stores up to 30 forty-five foot buses providing peak commuter service to downtown Seattle from remote areas of the Sound Transit District at the Link Operations and Maintenance Facility (OMF) parking area midday, during periods of non-use. Upon testing and start-up of the University Link Extension (2014-2016) the area used for bus storage will be needed for Link employee parking. Sound Transit is developing plans for and will construct a permanent midday bus storage area on property Sound Transit acquired during the construction of Central Link.

*Aerial view permanent midday bus storage site for ST Express*

## Schedule

| | Start | Finish |
|---|---|---|
| Prelim Engineering | Mar 2012 | Dec 2012 |
| Final Design | Jan 2013 | Feb 2014 |
| Construction | Mar 2014 | Sep 2014 |

## Scope/Schedule/Budget Variance

None to report at this time.

## Major Contracts ($s in thousands)

| Vendor | Amount | Scope |
|---|---|---|
| Parson Brinckerhoff | $340 | PE/FD |

*Project Cost* ($s in thousands)

| Phase | AdoptedLifetime Budget | Commitment to Date | Incurred to Date |
|---|---|---|---|
| Administration | $97 | $84 | $85 |
| Preliminary Engineering | $240 | $240 | $229 |
| Final Design | $410 | $341 | $203 |
| Third Party Agreements | $0 | $0 | $0 |
| ROW Acquisition and Permits | $30 | $2 | $1 |
| Construction | $0 | $0 | $0 |
| Construction Services | $0 | $0 | $0 |
| Contingency | $0 | $0 | $0 |
| **Project Total** | **$777** | **$667** | **$518** |

## Key Activities

Current Quarter

- Continue final design and permitting.

Next Quarter

- Receive and review 60% design submittals.
- Develop construction cost estimate and project baseline.
- Continue permitting activities.

## Closely Monitored Issues

- Coordination of permitting with the City of Seattle.